·			VIVE
	Application No.	Applicant(s)	
Notice of Allowability	09/883,036	MA ET AL.	,
	Examiner	Art Unit	
	Karen B Addison	2834	
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. This communication is responsive to 10/27/03.			
2.  The allowed claim(s) is/are <u>55-61 and 64-89.</u>			
<ol> <li>The drawings filed on <u>11 June 2001</u> are accepted by the E</li> <li>Acknowledgment is made of a claim for foreign priority und a) ☐ All b) ☐ Some* c) ☐ None of the:</li> </ol>	der 35 U.S.C. § 119(a)-(d) or (f).		
1. Certified copies of the priority documents have been received.			
<ol> <li>Certified copies of the priority documents have</li> <li>Copies of the certified copies of the priority documents</li> <li>International Bureau (PCT Rule 17.2(a)).</li> </ol> * Certified copies not received:	• • • • • • • • • • • • • • • • • • • •		tion from the
5. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).			
(a) The translation of the foreign language provisional application has been received.			
6. Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.			
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE			
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be subminFORMAL PATENT APPLICATION (PTO-152) which gives reas</li> </ol>	nitted. Note the attached EXAMINER on(s) why the oath or declaration is o	'S AMENDMENT or N deficient.	IOTICE OF
<ol> <li>CORRECTED DRAWINGS must be submitted.</li> <li>(a) ☐ including changes required by the Notice of Draftspers</li> <li>1) ☐ hereto or 2) ☐ to Paper No</li> </ol>			
(b) including changes required by the proposed drawing correction filed, which has been approved by the Examiner.			
(c) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No			
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet.			
9. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s)			
Notice of References Cited (PTO-892)  Notice of Draftperson's Patent Drawing Review (PTO-948)  Information Disclosure Statements (PTO-1449), Paper No  Examiner's Comment Regarding Requirement for Deposit of Biological Material	4⊡ Interview Summa 6⊡ Examiner's Amer	l Patent Application (F ary (PTO-413), Paper I ndment/Comment ment of Reasons for A	No

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## **DETAILED ACTION**

## Allowable Subject Matter

1. Claims 55-61,64-89 are allowed.

The following is an examiner's statement of reasons for allowance: Prior art shows a a micro mechanical resonator comprising a resonator beam having a first end and a second end, the resonator beam suspended above a substrate by the first end and the second end; providing a lever arm (cantilever), being connected to a bending truss and to the first end of the resonator beam; and using an actuator force to the lever to apply strain onto the resonator beam. Wherein, the actuation force supplied by the actuator proportional to a temperature and a tensil strain is applied to the resonator beam as the temperature increases.

However, Prior art fails to show an actuator to apply an actuation for to the lever arm to apply strain onto the resonator beam wherein, the position on the lever arm where the first end of the resonator beam is connected and where the actuation force is applied are on the same side of the pivot. Prior art also fails to show the an actuator to apply an actuation for to the lever arm to apply strain onto the resonator beam wherein, the position on the lever arm where the first end of the resonator beam is connected and where the actuation force is applied are on the opposite sides of the pivot.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen B Addison whose telephone number is 703-306-5855. The examiner can normally be reached on 8:00 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 703-308-1317. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

KBA 10/31/03

Thomas M. Weight